

CRYOCHEM GROUNDWATER CONTAMINATION OU1  
ADMINISTRATIVE RECORD FILE \*  
INDEX OF DOCUMENTS

I. SITE IDENTIFICATION

1. Report: Site Inspection of CryoChem, Incorporated,  
prepared by NUS Corporation, 5/13/85. P. 100001-  
100263.
2. Report: A Hazard Ranking System for CryoChem,  
Incorporated, prepared by NUS Corporation, 6/26/85.  
P. 100264-100374.

\* Administrative Record File available 7/14/89, updated  
7/26/90 and 10/5/94.

## II. REMEDIAL ENFORCEMENT PLANNING

1. Administrative Order by Consent, In The Matter Of: The CryoChem Site, Berks County, Pennsylvania; CryoChem, Inc.; S.C. Garber & Sons, Inc.; The Estate of Claude S. Garber; The Estate of Russell E. Garber, Sr.; Claude W. Garber; Kathryn N. Reigner; Harold L. Nettles, Anthony J. Gaeto; and Anthony T. Calzolaio, Respondents, U.S. EPA Docket No. III-88-17-DC, 2/14/88. P. 200001-200034.
2. Letter to Mr. George J. Shoop from Mr. Robert D. Fox, Wolf, Block, Schorr and Solis-Cohen, re: Information concerning efforts to gain access to the Heimbach Dump to perform sampling, 2/9/89. P. 200035-200036.
3. Letter to Mr. Anthony J. Calzolaio from Mr. Stephen R. Wassersug, U.S. EPA, re: Notice of potential liability, 7/14/89. P. 200037-200039.
4. Letter to Mr. Edward J. Edwards, Berks County Industrial Development Authority, from Mr. Stephen R. Wassersug, U.S. EPA, re: Notice of potential liability, 7/14/89. P. 200040-200042.
5. Letter to Mr. Anthony J. Gaeto from Mr. Stephen R. Wassersug, U.S. EPA, re: Notice of potential liability, 7/14/89. P. 200043-200045.
6. Letter to Mr. Claude W. Garber from Mr. Stephen R. Wassersug, U.S. EPA, re: Notice of potential liability, 7/14/89. P. 200046-200048.
7. Letter to The Estate of Claude S. Garber, c/o Mr. Claude W. Garber and Ms. Kathryn N. Reigner, from Mr. Stephen R. Wassersug, U.S. EPA, re: Notice of potential liability, 7/14/89. P. 200049-200051.
8. Letter to The Estate of Russell E. Garber, Sr., c/o Mr. Russell Garber, Jr. and Mr. Randall J. Garber, from Mr. Stephen R. Wassersug, U.S. EPA, re: Notice of potential liability, 7/14/89. P. 200052-200054.
9. Letter to Mr. Harold L. Nettles from Mr. Stephen R. Wassersug, U.S. EPA, re: Notice of potential liability, 7/14/89. P. 200055-200057.
10. Letter to Mr. Ronald Putt, CryoChem, Inc., from Mr. Stephen R. Wassersug, U.S. EPA, re: Notice of

potential liability, 7/14/89. P. 200058-200060.

11. Letter to Ms. Kathryn N. Reigner from Mr. Stephen R. Wassersug, U.S. EPA, re: Notice of potential liability, 7/14/89. P. 200061-200063.
12. Letter to Mr. Kenneth E. Snyder, C.S. Garber & Sons, Inc., from Mr. Stephen R. Wassersug, U.S. EPA, re: Notice of potential liability, 7/14/89. P. 200064-200066.
13. Letter to Mr. Stephen R. Wassersug, U.S. EPA, from Mr. Joseph E. DeSantis, DeSantis, Schmehl & DeSantis, re: Involvement of the Berks County Industrial Development Authority with the site, 7/18/89. P. 200067-200070. A letter dated July 14, 1989 regarding a notice of potential liability is attached.
14. Letter to Mr. Brian Nishitani, U.S. EPA, from Mr. Robert D. Fox, Wolf, Block, Schorr and Solis-Cohen, re: Sampling of residential wells, 7/24/89. P. 200071-200071.
15. Letter to Mr. Anthony J. Calzolaio from Mr. Patrick R. Anderson, U.S. EPA, re: A July 14, 1989 special notice letter that indicated EPA's intent to conduct a Remedial Design/Remedial Action (RD/RA) for the alternate drinking water supply, 11/17/89. P. 200072-200073.
16. Letter to Mr. Edward J. Edwards, Berks County Industrial Development Authority, from Mr. Patrick R. Anderson, U.S. EPA, re: A July 14, 1989 special notice letter that indicated EPA's intent to conduct a Remedial Design/Remedial Action (RD/RA) for the alternate drinking water supply, 11/17/89. P. 200074-200075.
17. Letter to Mr. Harold L. Nettles from Mr. Patrick R. Anderson, U.S. EPA, re: A July 14, 1989 special notice letter that indicated EPA's intent to conduct a Remedial Design/Remedial Action (RD/RA) for the alternate drinking water supply, 11/17/89. P. 200076-200077.
18. Letter to Mr. Anthony J. Gaeto from Mr. Patrick R. Anderson, U.S. EPA, re: A July 14, 1989 special notice letter that indicated EPA's intent to conduct a

Remedial Design/Remedial Action (RD/RA) for the alternate drinking water supply, 11/17/89. P. 200078-200079.

19. Letter to Mr. Claude W. Garber from Mr. Patrick R. Anderson, U.S. EPA, re: A July 14, 1989 special notice letter that indicated EPA's intent to conduct a Remedial Design/Remedial Action (RD/RA) for the alternate drinking water supply, 11/17/89. P. 200080-200081.
20. Letter to the Estate of Claude S. Garber, c/o Mr. Claude W. Garber and Ms. Kathryn N. Reigner from Mr. Patrick R. Anderson, U.S. EPA, re: A July 14, 1989 special notice letter that indicated EPA's intent to conduct a Remedial Design/Remedial Action (RD/RA) for the alternate drinking water supply, 11/17/89. P. 200082-200083.
21. Letter to the Estate of Russell E. Garber, Sr., c/o Mr. Russell Garber, Jr. and Mr. Russell J. Garber from Mr. Patrick R. Anderson, U.S. EPA, re: A July 14, 1989 special notice letter that indicated EPA's intent to conduct a Remedial Design/Remedial Action (RD/RA) for the alternate drinking water supply, 11/17/89. P. 200084-200085.
22. Letter to Mr. Kenneth E. Snyder, C.S. Garber and Sons, Inc., from Mr. Patrick R. Anderson, U.S. EPA, re: A July 14, 1989 special notice letter that indicated EPA's intent to conduct a Remedial Design/Remedial Action (RD/RA) for the alternate drinking water supply, 11/17/89. P. 200086-200087.
23. Letter to Mr. Ronald Putt, CryoChem, Inc., from Mr. Patrick R. Anderson, U.S. EPA, re: A July 14, 1989 special notice letter that indicated EPA's intent to conduct a Remedial Design/Remedial Action (RD/RA) for the alternate drinking water supply, 11/17/89. P. 200088-200089.
24. Letter to Ms. Kathryn N. Reigner from Mr. Patrick R. Anderson, U.S. EPA, re: A July 14, 1989 special notice letter that indicated EPA's intent to conduct a Remedial Design/Remedial Action (RD/RA) for the alternate drinking water supply, 11/17/89. P. 200090-200091.

25. Letter to Mr. Patrick R. Anderson, U.S. EPA, from Mr. Joseph DeSantis, DeSantis, Schmehl and DeSantis, re: Opinion of the Berks County Industrial Development Authority that they are not responsible for clean-up activities, 11/30/89. P. 200092-200093. An envelope is attached.
26. Letter to Mr. Michael Towle, U.S. EPA, from Mr. Victor D. Dodd, CryoChem, Inc., re: Additional responsibilities to be taken on by CryoChem, Inc., 12/20/89. P. 200094-200096. A letter dated December 14, 1989 regarding a review of the ROD and a letter concerning the alternatives is attached.
27. Letter to Mr. Anthony J. Caizolaio from Mr. Michael Towle, U.S. EPA, re: A discussion between EPA and the PRP Group regarding the installation of activated carbon filters at homes near the site, 3/8/90. P. 200097-200099.
28. Letter to Mr. Edward J. Edwards, Berks County Industrial Development Authority from Mr. Michael Towle, U.S. EPA, re: A discussion between EPA and the PRP Group regarding the installation of activated carbon filters at homes near the site, 3/8/90. P. 200100-200102.
29. Letter to Mr. Anthony J. Gaeto from Mr. Michael Towle, U.S. EPA, re: A discussion between EPA and the PRP Group regarding the installation of activated carbon filters at homes near the site, 3/8/90. P. 200103-200105.
30. Letter to Mr. Claude W. Garber from Mr. Michael Towle, U.S. EPA, re: A discussion between EPA and the PRP Group regarding the installation of activated carbon filters at homes near the site, 3/8/90. P. 200106-200108.
31. Letter to The Estate of Claude S. Garber, C/O Mr. Claude W. Garber and Ms. Kathryn N. Reigner, from Mr. Michael Towle, U.S. EPA, re: A discussion between EPA and the PRP Group regarding the installation of activated carbon filters at homes near the site, 3/8/90. P. 200107-200111.
32. Letter to The Estate of Russell E. Garber, Sr., C/O Mr.

Russell Garber, Jr. and Mr. Randall J. Garber from Mr. Michael Towle, U.S. EPA, re: A discussion between EPA and the PRP Group regarding the installation of activated carbon filters at homes near the site, 3/8/90. P. 200112-200114.

33. Letter to Mr. Harold L. Nettles from Mr. Michael Towle, U.S. EPA, re: A discussion between EPA and the PRP Group regarding the installation of activated carbon filters at homes near the site, 3/8/90. P. 200115-200117.
34. Letter to Mr. Ronald Putt from Mr. Michael Towle, U.S. EPA, re: A discussion between EPA and the PRP Group regarding the installation of activated carbon filters at homes near the site, 3/8/90. P. 200118-200120.
35. Letter Ms. Kathryn N. Reigner from Mr. Michael Towle, U.S. EPA, re: A discussion between EPA and the PRP Group regarding the installation of activated carbon filters at homes near the site, 3/8/90. P. 200121-200123.
36. Letter to Mr. Kenneth E. Snyder, C.S. Garger and Sons, Inc., from Mr. Michael Towle, U.S. EPA, re: A discussion between EPA and the PRP Group regarding the installation of activated carbon filters at homes near the site, 3/8/90. P. 200124-200126.
37. Letter to Mr. Michael F. Towle, U.S. EPA, from Mr. Robert D. Fox, Manko, Gold and Katcher, re: Funding of a design for a drinking water supply for residents near the site, 4/10/90. P. 200127-200129.

### III. REMEDIAL RESPONSE PLANNING

1. Report: CryoChem, Incorporated, Boyertown, Pennsylvania, Final Letter Report, prepared by NUS Corporation, 4/17/87. P. 300001-300093.
2. Report: Evaluation of Environmental Analyses Performed in the Vicinity of CryoChem Corp., Worman, PA, prepared by JACA Corp., 2/24/88. P. 300094-300142.
3. Report: Scope of Work for CryoChem RI/FS, prepared by JACA Corp., 4/4/88. P. 300143-300197.
4. Letter to Mr. Christopher Pilla, U.S. EPA, from Dr. Albert C. Gray, JACA Corp., re: Monthly progress report, 6/28/88. P. 300198-300198.
5. Letter to Mr. Christopher Pilla, U.S. EPA, from Dr. Albert C. Gray, JACA Corp., re: Monthly progress report, 7/14/88. P. 300199-300199.
6. Letter to Mr. Christopher Pilla, U.S. EPA, from Dr. Albert C. Gray, JACA Corp., re: Monthly progress report, 8/17/88. P. 300200-300201.
7. Report: Sampling and Analysis Plan for CryoChem Site, Earl Township, PA, prepared by JACA Corp., 8/88. P. 300202-300342.
8. Letter to Mr. Christopher Pilla, U.S. EPA, from Mr. Philip S. Getty, JACA Corp., re: Explanation of the residential well sampling program, 9/18/88. P. 300343-300345.
9. Letter to Mr. Christopher Pilla, U.S. EPA, from Dr. Albert C. Gray, JACA Corp., re: Monthly progress report, 9/19/88. P. 300346-300346.
10. Letter to Dr. Albert C. Gray, JACA Corp., from Mr. Christopher B. Pilla, U.S. EPA, re: Receipt of the revised Quality Assurance Project Plan (QAPjP), the Phase I Residential Well Sampling Proposed Locations, and the Sampling Analysis Plan (SAP) revisions, 9/23/88. P. 300347-300366. The following are attached:
  - a) Analytical Results Summary, Residential Well Sampling;

- b) a list of Residences with EPA Installed Carbon Filtration Systems;
  - c) a site map with numbers representing P.O. Box numbers for home surrounding the site;
  - d) a CryoChem, Inc., Site Map;
  - e) two maps showing dichloroethene concentrations;
  - f) Table 1, Analytical Results.
11. Letter to Mr. Christopher B. Pilla, U.S. EPA, from Mr. Philip S. Getty, JACA Corp., re: Additional information on the residential well survey, 10/6/88. P. 300367-300370. The Compiled Data from the Residential Well Questionnaire is attached.
  12. Letter to Mr. Christopher Pilla, U.S. EPA, from Dr. Albert C. Gray, JACA Corp., re: Monthly Progress Report, 10/18/88. P. 300371-300372.
  13. Letter to Mr. Christopher Pilla, U.S. EPA, from Mr. Michael A. Johnson, PRC Environmental Management, Inc., re: Summary of residential well split sampling, 10/26/88. P. 300373-300382. The following are attached:
    - a) an Inorganic Traffic Report;
    - b) an Organic Traffic Report;
    - c) four Chain of Custody Records;
    - d) an EPA Sample Shipping Log.
  14. Letter to Mr. Christopher Pilla, U.S. EPA, from Dr. Albert C. Gray, JACA Corp., re: Monthly progress report, 11/15/88. P. 300383-300385. A sampling data table is attached.
  15. Letter to Dr. Albert C. Gray, JACA Corp., from Mr. Christopher B. Pilla, U.S. EPA, re: Residential well sampling results, 11/18/88. P. 300386-300388. Seven copies of the letter are attached.
  16. Report: Preliminary Health Assessment for CryoChem, Inc., Worman, Berks County, Pennsylvania, prepared by the Agency for Toxic Substances and Disease Registry (ATDSR), 12/2/88. P. 300389-300393.



17. Memorandum to Mr. Chris Pilla, U.S. EPA, from Ms. Michelle Fox, Roy F. Weston, Inc., re: Drinking water sampling results, 12/2/88. P. 300394-300414. The sampling results and a Chain of Custody Record are attached.
18. Letter to Mr. Christopher Pilla, U.S. EPA, from Dr. Albert C. Gray, JACA Corp., re: Monthly progress report, 12/14/88. P. 300415-300416.
19. Report: Results of Phase I of Remedial Investigation Study for CryoChem Site, Earl Township, PA, prepared by JACA Corp., 12/88. P. 300417-300516.
20. Memorandum to Mr. Christoper [sic] Pilla, U.S. EPA, from Ms. Theresa A. Simpson, U.S. EPA, re: Transmittal of Organic Data Validation for Case 10636, 1/4/88. P. 300517-300598. The following are attached:
  - a) the Organic Data Validation for Case 10636;
  - b) Appendix A, Glossary of Data Qualifiers;
  - c) Appendix B, Data Summary;
  - d) Appendix C, Results as reported by the Laboratory for All Target Compounds;
  - e) Appendix D, Reviewed and Corrected Tentatively Identified Compounds;
  - f) Appendix E, DPO Report;
  - g) Appendix F, Support Documentation.
21. Letter to Mr. Paul O'Locke from Mr. Christopher B. Pilla, U.S. EPA, re: Results of residential well sampling, 1/11/89. P. 300599-300600. A copy of the letter is attached.
22. Letter to Mr. Raymond Moyer from Mr. Christopher B. Pilla, U.S. EPA, re: Results of residential well sampling, 1/11/89. P. 300601-300602. A copy of the letter is attached.
23. Letter to Mr. Greg Breidegam from Mr. Christopher B. Pilla, U.S. EPA, re: Results of residential well sampling, 1/11/89. P. 300603-300604. A copy of the letter is attached.

24. Letter to Mr. Charles L. Byler from Mr. Christopher B. Pilla, U.S. EPA, re: Results of residential well sampling, 1/11/89. P. 300605-300606. A copy of the letter is attached.
25. Letter to Ms. Shelly Heimbach and Mr. Michael Hoffman from Mr. Christopher B. Pilla, U.S. EPA, re: Results of residential well sampling, 1/11/89. P. 300607-300608. A copy of the letter is attached.
26. Letter to Mr. Christopher Pilla, U.S. EPA, from Dr. Albert C. Gray, JACA Corp., re: Monthly progress report, 1/13/89. P. 300609-300610.
27. Memorandum to Mr. Christopher Pilla, U.S. EPA, from Ms. Theresa A. Simpson, U.S. EPA, re: Transmittal of Inorganic Data Validation for Case 10363, 2/2/89. P. 300611-300627. The following are attached:
  - a) the Inorganic Data Validation for Case 10363;
  - b) Table 1A, Summary of Qualifiers on Data Summary After Data Validation;
  - c) Table 1B, Codes Used in Comments Column;
  - d) Table 2, Glossary of Data Qualifier Codes;
  - e) Table 3, Data Summary Form Inorganics (Is);
  - f) Appendix A, Results as Reported by Laboratory Form Inorganics;
  - g) Appendix B, DPO Report;
  - h) Appendix C, Support Documentation.
28. Letter to Mr. Christopher Pilla, U.S. EPA, from Dr. Albert C. Gray, JACA Corp., re: Monthly Progress Report, 2/13/89. P. 300628-300629.
29. Letter to Mr. Greg Breidegam from Mr. Christopher B. Pilla, U.S. EPA, re: Results of residential well sampling, 2/23/89. P. 300630-300634. A list of the Parameters Analyzed in Residential Wells and a fact sheet on lead are attached.

30. Letter to Mr. Charles Byler from Mr. Christopher B. Pilla, U.S. EPA, re: Results of residential well sampling, 2/23/89. P. 300635-300639. A list of the Parameters Analyzed in Residential Wells and a fact sheet on lead are attached.
31. Letter to Mr. Paul O'Lock from Mr. Christopher B. Pilla, U.S. EPA, re: Results of residential well sampling, 2/23/89. P. 300640-300644. A list of Parameters Analyzed in Residential Wells and a fact sheet on lead are attached.
32. Letter to Ms. Shelly Heimbach and Mr. Michael Hoffman from Mr. Christopher B. Pilla, U.S. EPA, re: Results of residential well sampling, 2/23/89. P. 300645-300649. A fact sheet on lead and a list of Parameters Analyzed in Residential Wells is attached.
33. Letter to The Selfinger Residence from Mr. Christopher B. Pilla, U.S. EPA, re: Results of residential well sampling, 2/23/89. P. 300650-300652. A list of Parameters Analyzed in Residential Wells is attached.
34. Letter to Mr. Paul Wills from Mr. Christopher B. Pilla, U.S. EPA, re: Results of residential well sampling, 2/23/89. P. 300653-300655. A list of Parameters Analyzed in Residential Wells is attached.
35. Letter to The Bowers Residence from Mr. Christopher B. Pilla, U.S. EPA, re: Results of residential well sampling, 2/23/89. P. 300656-300658. A list of Parameters Analyzed in Residential Wells is attached.
36. Letter to Mr. Raymond Moyer from Mr. Christopher B. Pilla, U.S. EPA, re: Results of residential well sampling, 2/23/89. P. 300659-300661. A list of Parameters Analyzed in Residential Wells is attached.
37. Letter to Mr. F. Daniel Miller from Mr. Christopher B. Pilla, U.S. EPA, re: Results of residential well sampling, 2/23/89. P. 300662-300666. A fact sheet on lead and a list of Parameters Analyzed in Residential Wells and a fact sheet on lead are attached.
38. Letter to Mr. Edward Schomley from Mr. Christopher B.

Pilla, U.S. EPA, re: Results of residential well sampling, 2/23/89. P. 300667-300671. A fact sheet on lead and a list of Parameters Analyzed in Residential Wells and a fact sheet on lead are attached.

39. Letter to Mr. Winfield Keck from Mr. Christopher B. Pilla, U.S. EPA, re: Results of residential well sampling, 2/23/89. P. 300672-300674. A list of Parameters Analyzed in Residential Wells is attached.
40. Letter to Mr. John Tarins from Mr. Christopher B. Pilla, U.S. EPA, re: Results of residential well sampling, 2/23/89. P. 300675-300679. A list of Parameters Analyzed in Residential Wells and a fact sheet on lead are attached.
41. Letter to Mr. Bernard J. Yeager from Mr. Christopher B. Pilla, U.S. EPA, re: Results of residential well sampling, 2/23/89. P. 300680-300682. A list of Parameters Analyzed in Residential Wells is attached.
42. Letter to The Iezzi Residence from Mr. Christopher B. Pilla, U.S. EPA, re: Results of residential well sampling, 2/23/89. P. 300683-300685. A list of Parameters Analyzed in Residential Wells is attached.
43. Letter to Ms. Joan Gonzales from Mr. Christopher B. Pilla, U.S. EPA, re: Results of residential well sampling, 2/23/89. P. 300686-300689. A list of Parameters Analyzed in Residential Wells is attached.
44. Letter to Mr. Peter Riviello from Mr. Christopher B. Pilla, U.S. EPA, re: Results of residential well sampling, 2/23/89. P. 300690-300692. A list of Parameters Analyzed in Residential Wells is attached.
45. Letter to Mr. Linwood Reinert from Mr. Christopher B. Pilla, U.S. EPA, re: Results of residential well sampling, 2/23/89. P. 300693-300695. A list of Parameters Analyzed in Residential Wells is attached.
46. Letter to Mr. Claude Garber from Mr. Christopher B. Pilla, U.S. EPA, re: Results of residential well sampling, 2/23/89. P. 300696-300698. A list of Parameters Analyzed in Residential Wells is attached.

47. Letter to Mr. Peter Willing from Mr. Christopher B. Pilla, U.S. EPA, re: Results of residential well sampling, 2/23/89. P. 300699-300701. A list of Parameters Analyzed in Residential Wells is attached.
48. Letter to Mr. Theodore Hinaman from Mr. Christopher B. Pilla, U.S. EPA, re: Results of residential well sampling, 2/23/89. P. 300702-300704. A list of Parameters Analyzed in Residential Wells is attached.
49. Letter to Mr. Christopher Pilla, U.S. EPA, from Dr. Albert C. Gray, JACA Corp., re: Monthly progress report, 3/13/89. P. 300705-300706.
50. Letter to Mr. Christopher Pilla, U.S. EPA, from Mr. Michael A. Johnson, PRC Environmental Management, Inc., re: Summary of unresolved RI/FS issues, 3/20/89. P. 300707-300710.
51. Letter to Mr. and Mrs. John Drabinsky, from Ms. Robin A. Cole, U.S. EPA, re: Residential well sampling results, 3/23/89. P. 300711-300713. A memorandum regarding the residential water sample results is attached.
52. Analytical Results Summary, Residential Well Sampling, 4/8/89. P. 300714-300725a.
53. Letter to Mr. Christopher Pilla, U.S. EPA, from Dr. Albert C. Gray, JACA Corp., re: Monthly progress report, 4/14/89. P. 300726-300726.
54. Letter to Mr. Christopher Pilla, U.S. EPA, from Dr. Albert C. Gray, JACA Corp., re: Monthly progress report, 5/15/89. P. 300727-300728.
55. Letter to Mr. Christopher Pilla, U.S. EPA, from Dr. Albert C. Gray, JACA Corp., re: Monthly progress report, 5/15/89. P. 300729-300730.
56. Report: CryoChem Site Focused Feasibility Study for Alternate Water Supply, Earl Township, Pennsylvania, Final Report, prepared by PRC Environmental Management, Inc., 6/30/89. P. 300731-300804.
57. Memorandum to Mr. Michael Towle, U.S. EPA, from Mr. Bruce Beach, Dynamac Corporation, re: Summary of a

visit to the area surrounding the site to evaluate the differences between the address-base and numbering systems used by EPA and the PRPs, 9/12/89. P. 300805-300806.

60. Memorandum to Mr. David Crownover, PADER, and Mr. Brian Boyd, PADER, re: The preliminary draft Record of Decision (ROD), 9/18/89. P. 300807-300807.
61. Report: CryoChem Site Responsiveness Summary and Appendices C and D to The Focused Feasibility Report, Earl Township, Pennsylvania, Final Report, prepared by PRC Environmental Management, Inc., 9/25/89. P. 300808-300830.
62. Letter to Mr. Michael Towle, U.S. EPA, from Mr. Bruce Beach, Dynamac Corporation, re: Appendix C & D, Focused Feasibility Study, Responsiveness Summary, CryoChem Site, 9/26/89. P. 300831-300831.
63. Declaration for the Record of Decision, CryoChem Site, Drinking Water Supply Operable Unit, Earl Township, Berks County, Pennsylvania, 9/29/89. P. 300832-300917.
64. Letter to Mr. Edwin B. Erickson, U.S. EPA, from Mr. Mark M. McClellan, PADER, re: Review of the Record of Decision, 9/29/89. P. 300918-300919.
65. Letter to Mr. Michael Towle, U.S. EPA, from Dr. Albert C. Gray, JACA Corp., re: Monthly Progress Report, 11/17/89. P. 300920-300921.
66. Letter to Mr. Michael Towle, U.S. EPA, from Dr. Albert C. Gray, JACA Corp, re: The draft Remedial Investigation Report, 11/22/89. P. 300922-300922.
67. Memorandum to file from Mr. Michael Towle, U.S. EPA, re: A meeting to discuss implementation of the Record of Decision, 12/14/89. P. 300923-300924. A telephone conversation record dated December 4, 1989 regarding a request by CryoChem, Inc. to meet with EPA is attached.
68. Letter to Mr. Michael Towle, U.S. EPA, from Dr. Albert C. Gray, JACA Corp., re: Monthly Progress Report, 12/26/89. P. 300925-300925.
69. Letter to Mr. Putt, CryoChem, Inc., from Mr. Michael Towle, U.S. EPA, re: Description of obligations associated with the contract that EPA maintains

activated carbon filter units, 4/17/90. P. 300926-300927.

70. Report: CryoChem Remedial Design Work Plan, prepared by CH2M Hill, 5/24/90. P. 300298-300959.
71. Proposed Plan, prepared by the U.S. EPA, (undated). P. 300960-300973.
72. Explanation of Significant Differences, CryoChem Superfund Site, Operable Unit 1 (Drinking Water), Worman, Earl Township, Pennsylvania, 9/22/94. P. 300974-300992.

#### IV. REMOVAL RESPONSE PROJECTS

1. Memorandum to Mr. James M. Seif, U.S. EPA, from Mr. Gerald D. Heston and Mr. Charles Dispoto, U.S. EPA, re: CERCLA Funding Request for the CryoChem Groundwater Contamination Site, 9/16/87. P. 400001-400010. A confidential Enforcement Status Summary, Table 1, Analytical Results, and a site map are attached.
2. Memorandum to Dr. J. Winston Porter, U.S. EPA, from Mr. James M. Seif, U.S. EPA, re: Justification for Approval of a Removal Action at the CryoChem Groundwater Contamination Site, 9/16/87. P. 400011-400011.
3. Memorandum to Dr. J. Winston Porter, U.S. EPA, from Mr. James M. Seif, U.S. EPA, re: CERCLA request for a 12-month exemption, 11/10/88. P. 400012-400016. The CERCLA exemption request is attached.
4. U.S. EPA Pollution Report #1, CryoChem Groundwater Site, 8/17/87. P. 400017-400018.
5. U.S. EPA, Pollution Report #2, CryoChem Groundwater Site, 9/3/87. P. 400019-400019.
6. U.S. EPA Pollution Report #3, CryoChem Groundwater Site, 9/4/87. P. 400020-400020.
7. U.S. EPA Pollution Report #4, CryoChem Groundwater Site, 9/4/87. P. 400021-400022.
8. U.S. EPA Pollution Report #5, CryoChem Groundwater Site, 9/8/87. P. 400023-400023.
9. U.S. EPA Pollution Report #6, CryoChem Groundwater Site, 9/21/87. P. 400024-400024.
10. U.S. EPA Pollution Report #7, CryoChem Groundwater Site, 9/25/87. P. 400025-400026.
11. U.S. EPA Pollution Report #8, CryoChem Groundwater Site, 9/25/87. P. 400027-400027.
12. U.S. EPA Pollution Report #9, CryoChem Groundwater Site, 10/2/89. P. 400028-400029.
13. U.S. EPA Pollution Report #10, CryoChem Groundwater Site, 10/9/87. P. 400030-400031.



14. U.S. EPA Pollution Report #11, CryoChem Groundwater Site, 11/11/87. P. 400032-400033.
15. U.S. EPA Pollution Report #12, CryoChem Groundwater Site, 11/12/87. P. 400034-400035.
16. U.S. EPA Pollution Report #13, CryoChem Groundwater Site, 12/4/87. P. 400036-400037.
17. U.S. EPA Pollution Report #14, CryoChem Groundwater Site, 1/28/88. P. 400038-400039.
18. Memorandum to Ms. Joyce McCurdy, U.S. EPA, from Emergency Response Coordinator, Department of Health and Human Services, re: Well sampling to determine public health risk, 6/19/87. P. 400040-400043.
19. Memorandum to Mr. Bruce Molholt, U.S. EPA, from Mr. Nick DiNardo, U.S. EPA, re: Review of contaminated wells, 8/31/87. P. 400044-400044.
20. Letter to Mr. Joseph Manko, Wolf, Block, Schorr & Solis-Cohen, from Mr. William Early, U.S. EPA, re: Analytical data from residential well sampling, 8/31/87. P. 400045-400045.
21. Letter to Mr. William C. Early, U.S. EPA, from Mr. Robert D. Fox, Wolf, Block, Schorr, & Solis-Cohen, re: Summary of chronology of events subsequent to 104(e) and 106 letters, 10/2/87. P. 400046-400049.
22. Letter to the Honorable Mason Avrigian from Mr. Bruce P. Smith, U.S. EPA, re: Participation in RI/FS, 12/3/87. P. 400050-400052. A certified mail receipt is attached.
23. Letter to Berks County Industrial Development Authority, from Mr. Bruce P. Smith, U.S. EPA, re: Participation in RI/FS, 12/3/87. P. 400053-400055. A certified mail receipt is attached.
24. Letter to Mr. Robert T. Miller, Stevens & Lee, P.C., from Mr. Bruce P. Smith, U.S. EPA, re: Participation in the RI/FS, 12/3/87. P. 400056-400058. A certified mail receipt is attached.
25. Letter to Mr. Ralph E. Mirarchi, Bluestein & Mirarchi, P.C., from Mr. Bruce P. Smith, U.S. EPA, re: Participation in the RI/FS, 12/3/87. P. 400059-400061.

26. Letter to Mr. Bruce P. Smith, U.S. EPA, from Mr. Joseph E. DeSantis, DeSantis, Schmehl and DeSantis, re: Potential responsibility for pollution that has allegedly taken place at CryoChem Site, 12/8/87. P. 400062-400066. A letter dated March 30, 1987 regarding the role of Berks County Industrial Development Authority is attached.
27. Letter to Mr. Joseph Manko, Wolf, Block, Schorr and Solis-Cohen, from Mr. Bruce P. Smith, U.S. EPA, re: Notification of an impending EPA action and request to perform follow-up tasks, 12/9/87. P. 400067-400069. A DHL Worldwide Express receipt is attached.
28. Letter to Mr. Bruce P. Smith, U.S. EPA, from Mr. Stephen B. Cooper, re: Receipt of letter requesting performance of follow-up tasks, 12/15/87. P. 400070-400072. An envelope is attached.
29. Letter to Mr. Robert Fox, Wolf, Block, Schorr and Solis-Cohen, from Mr. Brian Nishitani, U.S. EPA, re: EPA determination of Ronald Putt and Victor Dodd as potentially responsible parties, 12/21/87. P. 400073-400073.
30. Letter to Mr. Brian M. Nishitani, U.S. EPA, from Mr. Joseph E. DeSantis, DeSantis, Schmehl and DeSantis, re: Receipt of January 29, 1988 letter, 2/1/88. P. 400074-400074.
31. Letter to Mr. Brian Nishitani, U.S. EPA, from Mr. Stephen B. Cooper, re: Lack of client interest in assuming operation and maintenance of filtering systems, 2/11/88. P. 400075-400075.
32. Letter to Mr. Brian Nishitani, U.S. EPA, from Robert D. Fox, Wolf, Block, Schorr and Solis-Cohen, re: Refusal of CryoChem to assume the operation and maintenance of filtration systems, 2/10/88. P. 400076-400077.
33. Letter to Mr. Michael Curry, Bluestein and Mirarchi, from Mr. Brian M. Nishitani, U.S. EPA, re: Offer to Garber, Garber and Reigner opportunity to assume the operation and maintenance of residential filtering

systems, 1/29/88. P. 400078-400082. The following are attached:

- a) a similar letter, addressed to Ms. Susan P. LeGros, dated January 29, 1988;
  - b) a similar letter addressed to Mr. Stephen Cooper;
  - c) a similar letter addressed to Mr. Joseph DeSantis;
  - d) a similar letter addressed to Mr. Robert D. Fox.
34. Letter to Mr. Brian Nishitani, U.S. EPA, from Ms. Abbi L. Cohen, Montgomery, McCracken, Walker & Rhoads, re: Denial of responsibility by C.S. Garber & Sons, Inc., 2/19/88. P. 400083-400084.
35. Transmittal of well sampling data, 5/13/85. P. 400085-400105. The NPL site activity summary, Analytical Results Residential Well Sampling is attached.

V. COMMUNITY INVOLVEMENT/CONGRESSIONAL CORRESPONDENCE/IMAGERY

1. A list of residences with EPA installed carbon filtration systems, (undated). P. 500001-500001.
2. Letter to Mr. David Ankrom from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500002-500002.
3. Letter to Mr. Leonard Bauer from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500003-500003.
4. Letter to Mr. Albert Benyo from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500004-500004.
5. Letter to Dr. Richard Bergman from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500005-500005.
6. Letter to Mr. Richard Bock from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500006-500006.
7. Letter to Mr. Kermit Bohn from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500007-500007.
8. Letter to The Bowers Residence from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500008-500008.
9. Letter to Mr. Henry Clemmer, Earl Township Supervisor's Building, from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500009-500009.
10. Letter to Ms. Eva Davidson from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500010-500010.

11. Letter to Mr. Gus Deiner from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500011-500011.
12. Letter to Mr. James Dicindo from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500012-500012.
13. Letter to The Fleck Residence from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500013-500013.
14. Letter to Mr. C. Garber from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500014-500014.
15. Letter to Mr. Claude Garber from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500015-500015.
16. Letter to Mr. Russell Garber, Jr. from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500016-500016.
17. Letter to Mr. Arnold Geisinger from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500017-500017.
18. Letter to Mr. Larry Gilbert from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500018-500018.
19. Letter to Mr. Larry Goodhart from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500019-500019.
20. Letter to Mr. Lester Greenly from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500020-500020.

21. Letter to Mr. Ken Hallman from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500021-500021.
22. Letter to Mr. Leroy Heinbach, Earl Township Supervisor's Building, from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500022-500022.
23. Letter to Mr. Theodore Hinaman from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500023-500023.
24. Letter to Mr. Robert Layman, Boyertown Water Authority, from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500024-500024.
25. Letter to Mr. Paul O'Locke from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500025-500025.
26. Letter to The Miller Residence from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500026-500026.
27. Letter to Ms. Christine Miller from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500027-500027.
28. Letter to Mr. Robert Minnger from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500028-500028.
29. Letter to Mr. Norman Moore from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500029-500029.
30. Letter to Mr. Harvey Moyer, Earl Township Supervisor's Building, from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500030-500030.

31. Letter to Mrs. Kay Nyman from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500031-500031.
32. Letter to Mr. Tony Parish from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500032-500032.
33. Letter to Mr. Walter Reigner from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500033-500033.
34. Letter to Mr. Elwood Romich from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500034-500034.
35. Letter to Mr. Gordon Straube from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500035-500035.
36. Letter to Mr. Paul Weider from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500036-500036.
37. Letter to Mr. Bernard Yeager from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500037-500037.
38. Letter to Mr. Brian Boyd, PADER, from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500038-500038.
39. Letter to Mr. David Crownover, PADER, from Mr. Christopher B. Pilla, U.S. EPA, re: EPA's proposed plan for implementing alternate water supply, 7/13/89. P. 500039-500039.
40. U.S. EPA Public Notice of Proposed Remedial Action Alternatives, CryoChem Site, 7/14/89. P. 500040-

500040.

41. Letter to Mr. Christopher B. Pilla, U.S. EPA, from Mr. Kermit E. Bohn, re: Resolution of drinking water problem, 7/21/89. P. 500041-500041.
42. Handwritten note to Mr. Christopher Pilla, U.S. EPA, from Mr. and Mrs. Walter E. Reigner, re: Possibility of connection to Boyertown Water Authority, 8/3/89. P. 500042-500042.
43. Letter to Mr. Christopher B. Pilla, U.S. EPA, from Mr. William C. and Ms. Frances L. Fleck, re: Support for Alternative #2, 8/3/89. P. 500043-500043.
44. Report: Stenographic Report of Public Hearing Held at the Earl Township Municipal Building, prepared by Monick Stenographic Service, Inc., 8/9/89. P. 500044-500107. A letter dated August 7, 1989 regarding review of the Feasibility Study by the Borough of Boyertown and a memorandum dated August 9, 1989 regarding a proposed waterline extension are attached.
45. Newspaper article entitled, "Earl, Douglass Residents Balk at Waterline Plan," Reading Times, 8/10/89. P. 500108-500110. A newspaper article entitled "Residents, officials balk at EPA water plan" and an excerpt from Berks Digest are attached.
46. Letter to Mr. Christopher B. Pilla, U.S. EPA, from Mr. Kermit E. Bohn, re: Installation of carbon filters for dwellings designated as a potential risk, 8/10/89. P. 500111-500113. A map of residential wells included in Focused Feasibility Study and Table 1, Homes Potentially Affected, are attached.
47. Memorandum to record from Ms. Brenda Houck, re: Summary of a public meeting, 8/11/89. P. 500114-500114.
48. Letter to Mr. Christopher Pilla, U.S. EPA, from Mr. Raymond C. Schlegel, Roland and Schlegel, re: Reimbursement in the event the Borough of Boyertown is compelled to provide water to the CryoChem Site area, 8/14/89. P. 500115-500115.
49. Letter to Mr. Christopher B. Pilla, U.S. EPA, from Ms. Susan P. LeGros, Montgomery, McCracken, Walker and Rhoads, re: Compensation on the Feasibility Study,



8/14/89. P. 500116-500123. Comments to the CryoChem Site Focused Feasibility Study for alternate water supply are attached.

50. Letter to Ms. Joan Adams, Douglas [sic]--Berks Township Municipal Building, from Ms. Brenda Houck, re: The Administrative Record, 8/17/89. P. 500124-500124.
51. Letter to Mr. Christopher Pilla, U.S. EPA, from Ms. Betty Burdan, re: Information on work being done at the site, 8/21/89. P. 500125-500126.
52. U.S. EPA Public Notice, re: Selected Remedial Action for the Drinking Water Supply at the CryoChem Superfund Site, 10/19/89. P. 500127-500127.